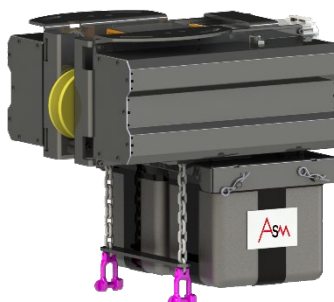# Cluster Chain 500 0,05m/s

MULTIPURPOSE HOIST

GENERAL INFORMATION

The CLC model is equipped as standard with an extra safety catch integrated in the gearbox and dynamic self-locking gear, for silent and accurate operation. The Cluster chain hoist was specially developed for lifting loudspeaker systems such as line arrays and can be used in theatres but also in smaller venues like conference halls. The required cabling for the loudspeaker system is carried along in addition to the load bearing line of steel bands. The double load bearing line ensures that the attached line arrays cannot tilt.

APPLICATIONS

Compact and efficient, the Cluster band hoist is suited for all types of venues such as arenas, studios, theatres, operas, multipurpose venues and more. Due to its light weighted design, it is ideal for mobile applications.

REGULATIONS

- DGUV V17/18
- EN 17206
- SIL3 (if supplied with ASM control)

FEATURES

- Max travel : two standard travels 12 m or 24 m
- Load capacity : up to 500 kg
- Equipped with 0,55 kW motor
- Equipped with two load bearing lines with stable travel without twisting of suspended load
- Equipped with dynamic self-locking gear for gentle braking
- Equipped with an extra safety catch

- Less maintenance required, as the hoist does not have brakes
- Smooth deceleration of the load even in the event of a power failure
- Suitable for truss installation, mounting on existing steel structures or to a ceiling
- Low mounting height
- Equipped with two compact chain bags ensuring that chains do not get tangled
- Easily installed in little storage space (no space loss)
- Includes load measurement
- Including built-in pulley to guide cables

CLC range

The Cluster chain model with speed 0,05 m/s is part of a wider range of cluster hoists, also available with chain. As ASM engineered each hoist to their fullest capacity, each model has their specific composition which cannot be altered. Special models can be offered on request.

	Travel in m	Speed in m/s	Hoist capacity in kg
CLC 0,05 12	12	0,05	500
CLC 0,05 24	24	0,05	500

Cluster Chain 500 0,05m/s

MULTIPURPOSE HOIST

TECHNICAL DATA

MODEL	Cluster Chain 500 – 0,05 – 12 - SIL3 Without PowerPack	Cluster Chain 500 – 0,05 – 12 - SIL3 - GSG With PowerPack	Cluster Chain 500 – 0,05 – 24 - SIL3 Without PowerPack	Cluster Chain 500 – 0,05 – 24 - SIL3 - GSG With PowerPack
Type	CLC500-0,05-12-SIL3	CLC500-0,05-12-SIL3-GSG	CLC500-0,05-24-SIL3-GSG	CLC500-0,05-24-SIL3-GSG
Operating Mode	Synchronous (ready)	Synchronous	Synchronous (ready)	Synchronous
Regulation	DGUV 17 (before BGV C1), EN 17206			
SIL Level	SIL3 ready	SIL3	SIL3 ready	SIL3
Hoist Capacity on chains	500 kg			
Max Travel	12 m		24 m	
Max Speed	0,05 m/s			
Variable Speed	Yes			
No. of Drops	2			
Load Bearing Line	Chain 5 x 15 mm (double chain included)			
Chain colour	Silver			
Load Carrying Equipment	2 x shackle and distance plate			
Type of Material - Chassis	Steel			
Chassis Colour	Black			
Type of Material - Cover	Steel / aluminum			
Cover Colour	Black			
Installation method	Hanging			
Safety System	Dynamic self-locking gear			
Gearbox Design	Worm			
Gearbox Safety	Safety catch			
Motor Type	Asynchronous motor			
Motor Performance	0,55 kW			
Limit Switch	4 track (Stromag) DGUV V17 (2 x operational limits + 2 x absolute limits)			
Encoder System	2 x absolute encoders (SSI Interface)			

Cluster Chain 500 0,05m/s

MULTIPURPOSE HOIST

TECHNICAL DATA (CONTINUED)

MODEL	Cluster Chain 500 – 0,05 – 12 - SIL3 Without PowerPack	Cluster Chain 500 – 0,05 – 12 - SIL3 - GSG With PowerPack	Cluster Chain 500 – 0,05 – 24 – SIL3 Without PowerPack	Cluster Chain 500 – 0,05 – 24 - SIL3 - GSG With PowerPack
Type	CLC500-0,05 -12-SIL3	CLC500-0,05 -12-SIL3-GSG	CLC500-0,05 -24-SIL3-GSG	CLC500-0,05 -24-SIL3-GSG
Load Sensing (total load)	Load cell | 4-20 mA | SIL3			
Hoist Control Type	Not supplied	ASM GENESIS SIL3	Not supplied	ASM GENESIS SIL3
Position of Hoist Control	None	External, ASM PowerPack	None	External, ASM PowerPack
Control Equipment	None	GENESIS SIL3 PowerPack 2,2 kW with ASM TWINCORE SIL3 axis card, E-stop management and frequency inverter (16 kHz)	None	GENESIS SIL3 PowerPack 2,2 kW with ASM TWINCORE SIL3 axis card, E-stop management and frequency inverter (16 kHz)
Cable Interface	ASM standard terminal interface	ASM standard connector cable set (Harting) between hoist and PowerPack	ASM standard terminal interface incl. wiring scheme	ASM standard connector interface (Harting) between hoist and PowerPack
Main/Motor Supply	L1 / L2 / L3 / PE (400 V 50/60 Hz)	L1 / L2 / L3 / PE (400 V 50/60 Hz)	L1 / L2 / L3 / PE (400 V 50/60 Hz)	L1 / L2 / L3 / PE (400 V 50/60 Hz)
Power Cable	Not supplied	1,5 m CEE 5 PIN-16 A	Not supplied	1,5 m CEE 5 PIN-16 A
Dimension HxWxD	246 mm x 459,5 mm x 370 mm (without chains, nor chain bags nor PowerPack)			
Weight	47 kg (without chains, nor chain bags nor PowerPack)			
Including	2 chain bags for 12 meter chain each		2 chain bags for 24 meter chain each	
	2 chains for 12 meter travel		2 chains for 24 meter travel	
		GENESIS SIL3 PowerPack 2,2 kW, 2 m connection cable set (standard max.) between PowerPack and hoist		GENESIS SIL3 PowerPack 2,2 kW, 2 m connection cable set (standard max.) between PowerPack and hoist
		1,5 m power cable with CEE 16 A, 5 pin plug		1,5 m power cable with CEE 16 A, 5 pin plug
	Documentation			

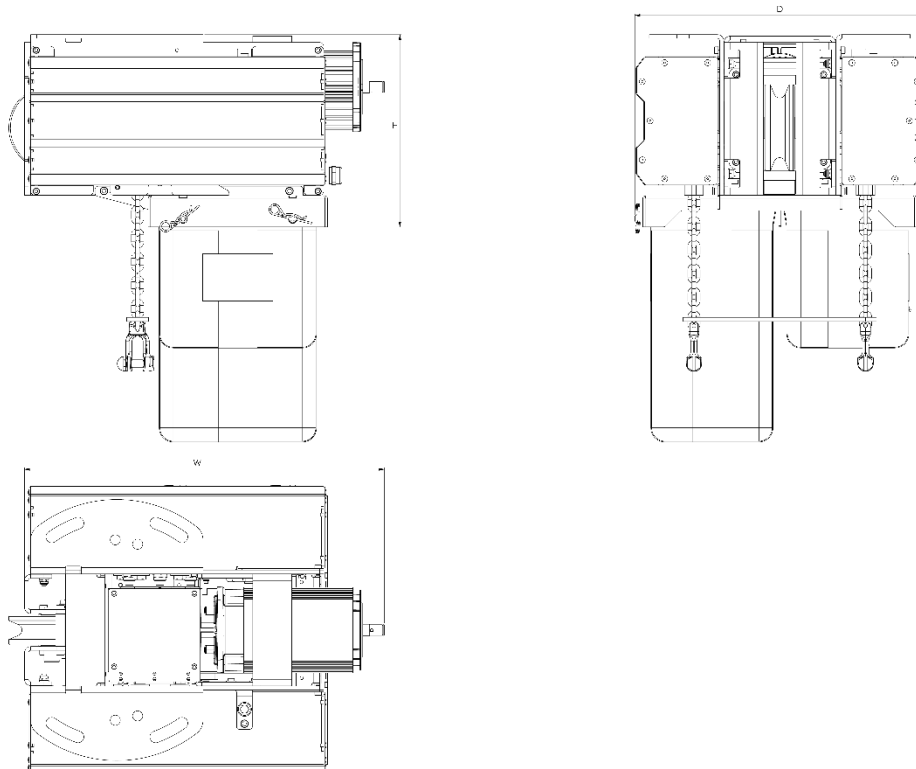## OPTIONS*

- Other load carrying device available on request

*available on request

Cluster Chain 500 0,05m/s

MULTIPURPOSE HOIST

DIMENSIONS

Without PowerPack	**CLC 500 0,05**
Height	246 mm
Width	459,5 mm
Depth	370 mm
Weight	47 kg (without chains and chain bags)